

In the Claims

1. (Cancelled)
2. (Currently Amended) A martensitic stainless steel seamless pipe containing:

less than about 0.0100% of C;

less than about 0.0100% of N;

about 10% to about 14% of Cr;

about 4% to about 7% of Ni;

about 0.05% to about 1.0% of Si;

about 0.1% to about 2.0% of Mn;

about 0.3% or less of P;

about 0.010% or less of S;

about 0.001% to about 0.10% of Al;

one or more selected from the group consisting of about 4% or less of Cu, about 4% or less of Co, about 4% or less of Mo, and about 4% or less of W; and

one or more selected from the group consisting of about 0.15% or less of Ti, about 0.10% or less of Nb, about 0.10% or less of V, about 0.10% or less of Zr, about 0.20% or less of Hf, and about 0.20% or less of Ta on a mass basis, the remainder being Fe and unavoidable impurities, wherein the content C_{sol} defined by the following equation (1) is equal to or less than 0.0050%:

$$C_{sol} = C - 1/3 \times C_{pre} \quad (1)$$

where $C_{pre} = 12.0 \{Ti/47.9 + 1/2 (Nb/92.9 + Zr/91.2) + 1/3 (V/50.9 + Hf/178.5 + Ta/180.9) - N/14.0\}$ or $C_{pre} = 0$ when $C_{pre} < 0$, where C represents the carbon content, Ti represents the titanium content, Nb represents the niobium content, Zr represents the zirconium

content, V represents the vanadium content, Hf represents the hafnium content, Ta represents the tantalum content, and N represents the nitrogen content on a mass basis, and martensite in the weld heat affected zone of the steel pipe is substantially free of Cr depleted zones.

3. (Previously Presented) The martensitic stainless steel seamless pipe according to Claim 2 further containing one or more selected from the group consisting of about 0.010% or less of Ca, about 0.010% or less of Mg, about 0.010% or less of REM, and about 0.010% or less of B on a mass basis.

4. (Currently Amended) A martensitic stainless steel seamless pipe containing:

- less than about 0.0100% of C;
- less than about 0.0100% of N;
- about 10% to about 14% of Cr;
- about 4% to about 7% of Ni;
- about 0.05% to about 1.0% of Si;
- about 0.1% to about 2.0% of Mn;
- about 0.03% or less of P;
- about 0.010% or less of S;
- about 0.001% to about 0.10% of Al;
- about 0.02% to about 0.10% of V;
- about 0.0005% to about 0.010% of Ca; and

one or more selected from the group consisting of about 4% or less of Cu, about 4% or less of Co, about 4% or less of Mo, and about 4% or less of W on a mass basis, the remainder being Fe and unavoidable impurities,

wherein the content C_{sol} defined by the following equation (1) is equal to or less than 0.0050%:

$$C_{sol} = C - 1/3 \times C_{pre} \quad (1)$$

where $C_{pre} = 12.0 \{Ti/47.9 + 1/2 (Nb/92.9 + Zr/91.2) + 1/3 (V/50.9 + Hf/178.5 + Ta/180.9) - N/14.0\}$ or $C_{pre} = 0$ when $C_{pre} < 0$, where C represents the carbon content, Ti represents the titanium content, Nb represents the niobium content, Zr represents the zirconium content, V represents the vanadium content, Hf represents the hafnium content, Ta represents the tantalum content, and N represents the nitrogen content on a mass basis, and martensite in the weld heat affected zone of the steel pipe is substantially free of Cr depleted zones.

5. (Previously Presented) The martensitic stainless steel seamless pipe according to Claim 4 further containing one or more selected from the group consisting of about 0.15% or less of Ti, about 0.10% or less of Nb, about 0.10% or less of Zr, about 0.20% or less of Hf, and about 0.20% or less of Ta on a mass basis.

6. (Cancelled)

7. (Previously Presented) A seamless line pipe comprising the martensitic stainless steel pipe according Claim 2.

8. (Previously Presented) A line pipe comprising the martensitic stainless steel seamless pipe according to Claim 3.

9. (Previously Presented) A line pipe comprising the martensitic stainless steel seamless pipe according to Claim 4.

10. (Previously Presented) A line pipe comprising the martensitic stainless steel seamless pipe according to Claim 5.

11. (Cancelled)

12. (Previously Presented) A welded structure comprising the martensitic stainless steel seamless pipe according to Claim 2, welded to a member.

13. (Previously Presented) A welded structure comprising the martensitic stainless steel seamless pipe according to Claim 3, welded to a member.

14. (Previously Presented) A welded structure comprising the martensitic stainless steel seamless pipe according to Claim 4, welded to a member.

15. (Previously Presented) A welded structure comprising the martensitic stainless steel seamless pipe according to Claim 5, welded to a member.

16. (Cancelled)

17. (Previously Presented) A welded structure comprising the seamless line pipe according to Claim 7.

18. (Previously Presented) A welded structure comprising the seamless line pipe according to Claim 8.

19. (Previously Presented) A welded structure comprising the seamless line pipe according to Claim 9.

20. (Previously Presented) A welded structure comprising the seamless line pipe according to Claim 10.